What is claimed is:

1. A medical device, comprising:

a biodegradable apparatus having a surface;

at least one bioactive agent; and

biological material loaded onto at least a portion of the surface of said apparatus, said biological material comprising said at least one bioactive agent, wherein said biological material is crosslinked with a crosslinking agent or with ultraviolet irradiation.

- 2. The device of claim 1, wherein the crosslinking agent is genipin, its analog, derivatives, and combination thereof.
- 3. The device of claim 1, wherein the crosslinking agent is selected from a group consisting of formaldehyde, glutaraldehyde, dialdehyde starch, glyceraldehydes, cyanamide, diimides, diisocyanates, dimethyl adipimidate, carbodiimide, epoxy compound, and mixture thereof.
- 4. The device of claim 1, wherein the apparatus is a stent.
- 5. The device of claim 1, wherein the apparatus is a non-stent implant.
- 6. The device of claim 1, wherein the apparatus is selected from a group consisting of annuloplasty rings, heart valve prostheses, venous valve bioprostheses, orthopedic implants, dental implants, ophthalmology implants, cardiovascular implants, and cerebral implants.
- 7. The device of claim 1, wherein the biological material is selected from a group consisting of collagen, gelatin, elastin, chitosan, N, O, carboxylmethyl chitosan, and mixture thereof.
- 8. The device of claim 1, wherein the biological material is a solidifiable substrate, and wherein the biological material is solidifiable from a phase selected from a group consisting of solution, paste, gel, suspension, colloid, and plasma.

- 9. The device of claim 1, wherein the biodegradable apparatus is made of a material selected from a group consisting of polylactic acid (PLA), polyglycolic acid (PGA), poly (D,L-lactide-co-glycolide), polycaprolactone, and co-polymers thereof.
- 10. The device of claim 1, wherein the biodegradable apparatus further comprises at least one bioactive agent.
- 11. The device of claim 1 or 10, wherein the at least one bioactive agent is selected from a group consisting of analgesics/antipyretics, antiasthamatics, antibiotics, antidepressants, antidiabetics, antifungal agents, antihypertensive agents, anti-inflammatories, antineoplastics, antianxiety agents, immunosuppressive agents, antimigraine agents, sedatives/hypnotics, antipsychotic agents, antimanic agents, antiarrhythmics, antiarthritic agents, antigout agents, anticoagulants, thrombolytic agents, antifibrinolytic agents, antiplatelet agents and antibacterial agents, antiviral agents, antimicrobials, and anti-infectives.
- 12. The device of claim 1 or 10, wherein the at least one bioactive agent is selected from a group consisting of actinomycin D, paclitaxel, vincristin, methotrexate, and angiopeptin, batimastat, halofuginone, sirolimus, tacrolimus, everolimus, tranilast, dexamethasone, and mycophenolic acid.
- 13. The device of claim 1 or 10, wherein the at least one bioactive agent is selected from a group consisting of lovastatin, thromboxane A₂ synthetase inhibitors, eicosapentanoic acid, ciprostene, trapidil, angiotensin convening enzyme inhibitors, aspirin, and heparin.
- 14. The device of claim 1 or 10, wherein the at least one bioactive agent is selected from a group consisting of allicin, ginseng extract, flavone, ginkgo biloba extract, glycyrrhetinic acid, and proanthocyanides.

- 15. The device of claim 1 or 10, wherein the at least one bioactive agent comprises ApoA-I Milano or recombinant ApoA-I Milano/phospholipid complexes.
- 16. The device of claim 1 or 10, wherein the at least one bioactive agent comprises biological cells.
- 17. The device of claim 1 or 10, wherein the at least one bioactive agent comprises lipostabil.
- 18. The device of claim 1 or 10, wherein the at least one bioactive agent comprises a growth factor.
- 19. The device of claim 18, wherein the growth factor is selected from a group consisting of vascular endothelial growth factor, transforming growth factor-beta, insulin-like growth factor, platelet derived growth factor, fibroblast growth factor, and combination thereof.
- 20. The device of claim 1 further comprising a biodegradable polymer loaded onto at least a portion of the surface of said apparatus.
- 20. A biodegradable medical device comprising at least one bioactive agent selected from a group consisting of ApoA-I Milano, recombinant ApoA-I Milano/phospholipid complexes, lipostabil, and combination thereof.
- 21. A method for treating a target tissue of a patient, comprising:

providing a medical device comprising: a biodegradable apparatus having a surface, wherein a biological material loaded onto at least a portion of the surface of said apparatus, said biological material comprising at least one bioactive agent;

crosslinking said biological material with a crosslinking agent or with ultraviolet irradiation; and

delivering said medical device to the target tissue and releasing said bioactive agent for

treating the target tissue.

- 22. The method of claim 21, wherein the crosslinking agent is genipin, its analog, derivatives, and combination thereof.
- 23. The method of claim 21, wherein the crosslinking agent is selected from a group consisting of formaldehyde, glutaraldehyde, dialdehyde starch, glyceraldehydes, cyanamide, diimides, diisocyanates, dimethyl adipimidate, carbodiimide, epoxy compound, and mixture thereof.
- 24. The method of claim 21, wherein the medical device is a stent.
- 25. The method of claim 21, wherein the medical device is a non-stent implant.
- 26. The method of claim 21, wherein the medical device is selected from a group consisting of annuloplasty rings, heart valve prostheses, venous valve bioprostheses, orthopedic implants, dental implants, ophthalmology implants, cardiovascular implants, and cerebral implants.
- 27. The method of claim 21, wherein the biological material is selected from a group consisting of collagen, gelatin, elastin, chitosan, N, O, carboxylmethyl chitosan, and mixture thereof.
- 28. The method of claim 21, wherein the biodegradable apparatus is made of a material selected from a group consisting of polylactic acid (PLA), polyglycolic acid (PGA), poly (D,L-lactide-co-glycolide), polycaprolactone, and co-polymers thereof.
- 29. The method of claim 21, wherein the biodegradable apparatus further comprises at least one bioactive agent.
- 30. The method of claim 21 or 29, wherein said bioactive agent is selected from a group consisting of analgesics/antipyretics, antiasthamatics, antibiotics, antidepressants, antidiabetics,

antifungal agents, antihypertensive agents, anti-inflammatories, antineoplastics, antianxiety agents, immunosuppressive agents, antimigraine agents, sedatives/hypnotics, antipsychotic agents, antimanic agents, antiarrhythmics, antiarthritic agents, antigout agents, anticoagulants, thrombolytic agents, antifibrinolytic agents, antiplatelet agents and antibacterial agents, antiviral agents, antimicrobials, and anti-infectives.

- 31. The method of claim 21 or 29, wherein said bioactive agent is selected from a group consisting of actinomycin D, paclitaxel, vincristin, methotrexate, and angiopeptin, batimastat, halofuginone, sirolimus, tacrolimus, everolimus, tranilast, dexamethasone, and mycophenolic acid.
- 32. The method of claim 21 or 29, wherein said bioactive agent is selected from a group consisting of lovastatin, thromboxane A_2 synthetase inhibitors, eicosapentanoic acid, ciprostene, trapidil, angiotensin convening enzyme inhibitors, aspirin, and heparin.
- 33. The method of claim 21 or 29, wherein said bioactive agent is selected from a group consisting of allicin, ginseng extract, flavone, ginkgo biloba extract, glycyrrhetinic acid, and proanthocyanides.
- 34. The method of claim 21 or 29, wherein said bioactive agent comprises ApoA-I Milano or recombinant ApoA-I Milano/phospholipid complexes.
- 35. The method of claim 21 or 29, wherein said bioactive agent comprises biological cells.
- 36. The method of claim 21 or 29, wherein said bioactive agent comprises lipostabil.
- 37. The method of claim 21 or 29, wherein said bioactive agent comprises growth factor.
- 38. The method of claim 21 or 29, wherein said bioactive agent comprises genes.

- 39. The method of claim 21, wherein the target tissue comprises vulnerable plaque or atherosclerotic plaque, wherein the vulnerable plaque is the atherosclerotic plaque that is vulnerably prone to rupture.
- 40. The method of claim 21, wherein the target tissue is selected from a group consisting of tumor, cancer, brain tissue, vascular vessel, and orthopedic tissue.
- 41. The method of claim 21, wherein the target tissue is selected from a group consisting of lymphatic vessel, gastrointestinal tract, hepatic duct, bile duct, pancreatic duct, urinary tract, ureter, urethra, and reproductive tract.